



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Response Under 37 C.F.R. § 1.116 Expedited Procedure****In re application of:**

Richard A. Craig and Anthony J. Peurrung

**Application No.** 10/737,334**Filed:** December 16, 2003**Confirmation No.** 7550**For:** METHOD AND APPARATUS FOR THE  
DETECTION OF HYDROGENOUS  
MATERIALS**Examiner:** Ricardo J. Palabrica**Art Unit:** 3663**Attorney Reference No.** 23-70735-02**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AF, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent  
for Applicants *[Signature]*Date Mailed MAY 24, 2006

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**TRANSMITTAL LETTER**

Enclosed is an Amendment and Response to Final Office Action for the above application. The fee has been calculated as shown below.

CLAIMS AS AMENDED					
For	No. after amendment	No. paid for previously	Present Extra	Rate	Fee
Total Claims	31	- 36*	= 0	\$25.00	\$ 0.00
Indep. Claims	3	- 4**	= 0	\$100.00	\$ 0.00
Mult. Dep. Claims Fee (if not previously paid)				\$180.00	
One-month Extension of Time				\$60.00	
Two-month Extension of Time				\$225.00	
Three-month Extension of Time				\$510.00	
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

\* greater of twenty or number for which fee has been paid.

\*\* greater of three or number for which fee has been paid.

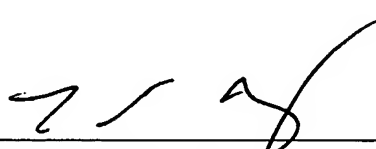
☒ No additional fee is required.

- ☒ Please charge any additional fees that may be required in connection with filing this amendment and any extension of time, or credit any overpayment, to Deposit Account No. 02-4550.
- ☒ If the Patent and Trademark Office determines that this amendment results in an additional application size fee for pages in excess of 100, please charge the fee to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

This responds to the Office action dated March 24, 2006. Please amend the referenced application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 1.

**Remarks** begin on page 7.